

THE INSTITUTE OF PAPER CHEMISTRY, APPLETON, WISCONSIN

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1985)

Project 2694-2

Report Sixty-Two
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
OF THE
AMERICAN PAPER INSTITUTE

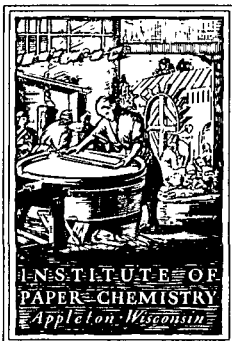
March 1, 1986

NOTICE & DISCLAIMER

The Institute of Paper Chemistry (IPC) has provided a high standard of professional service and has exerted its best efforts within the time and funds available for this project. The information and conclusions are advisory and are intended only for the internal use by any company who may receive this report. Each company must decide for itself the best approach to solving any problems it may have and how, or whether, this reported information should be considered in its approach.

IPC does not recommend particular products, procedures, materials, or services. These are included only in the interest of completeness within a laboratory context and budgetary constraint. Actual products, procedures, materials, and services used may differ and are peculiar to the operations of each company.

In no event shall IPC or its employees and agents have any obligation or liability for damages, including, but not limited to, consequential damages, arising out of or in connection with any company's use of, or inability to use, the reported information. IPC provides no warranty or guaranty of results.



THE INSTITUTE OF PAPER CHEMISTRY

Post Office Box 1039
Appleton, Wisconsin 54912
Phone: 414/734-9251
Telex: 469289

March 1, 1986

Project 2694-2

Dear Sir:

We are enclosing a copy of the following report to the Fourdrinier Kraft Board Group of the American Paper Institute:

Report Sixty-Two, Project 2694-2, a progress report
entitled, "Continuous Baseline Study (Modified)
of Mill Corrugating Medium Data for October,
November, December, 1985" dated March 1, 1986

The code identities for paper machines in your company from which data were submitted for evaluation are given on the inside of the front cover of this report.

The FKBG Technical Committee has requested that future reports for this project be issued semi-annually instead of quarterly. Therefore the next report will be issued September 1, 1986.

Sincerely,

Roger H. Van Eperen
Research Associate
Paper Materials Division

RHV/les
Enclosure

GEORGIA-PACIFIC CORP.
Your machine is identified
in this report by the
following code.

Toledo Machine #2 E2

BASE-LINE
4th QUARTER, 1985

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1985)

Project 2694-2

Report Sixty-Two

A Progress Report

to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

Information contained herein is furnished for your
internal use only and is not to be disseminated or
disclosed outside your company or copied or
otherwise reproduced without the express written
permission of The Institute of Paper Chemistry

March 1, 1986

TABLE OF CONTENTS

	Page
SUMMARY	1
INTRODUCTION	2
PRESENTATION OF DATA	2
Presentations (Tables):	
Tables I-II-III-IV. 26-Lb Corrugating Medium, Monthly Averages of Mill Data	3-4-5-6
Table V. Data on Conditioning and Testing Environments	7
APPENDIX. NOTES A, B, C, D, AND E USED IN TABULATION OF MILL DATA	9

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED) (MILL CORRUGATING MEDIUM DATA FOR OCTOBER, NOVEMBER, DECEMBER, 1985)

SUMMARY OF 26-LB CORRUGATING MEDIUM DATA (SEP-DEC, 1985)

Test	SEP			OCT			NOV			DEC		
	Total	Recycled		Total	Recycled		Total	Recycled		Total	Recycled	
Moisture content, %	Max.	9.6	7.2	9.7	7.1		9.5	7.0		9.7	7.0	
	Min.	4.4	4.4	4.4	4.4		4.3	4.3		4.4	4.4	
	Ave.	6.7(33)	5.9(13)	6.7(33)	5.0(12)		6.6(32)	5.0(12)		6.6(32)	5.0(12)	
Adj. basis weight, lb/M sq ft	Max.	27.0	27.0	27.0	27.0		27.2	27.2		27.0	27.0	
	Min.	25.2	26.2	25.2	26.1		25.3	26.0		25.3	26.1	
	Ave.	26.4(33)	26.6(13)	26.4(33)	26.6(12)		26.4(32)	26.6(12)		26.4(32)	26.6(12)	
Calipers, 0.001	Max.	10.6	10.6	10.6	10.8		10.7	10.7		10.9	10.9	
	Min.	7.8	7.8	7.8	7.8		7.7	7.7		7.7	7.7	
	Ave.	9.5(26)	9.4(12)	9.5(27)	9.4(12)		9.5(26)	9.4(12)		9.5(26)	9.3(12)	
Concave, lb	Max.	69.0	69.0	69.0	69.0		69.4	69.4		69.3	69.3	
	Min.	53.7	53.7	53.8	55.8		55.4	55.4		56.2	56.8	
	Ave.	61.0(33)	60.3(13)	60.7(33)	60.4(12)		60.9(32)	60.7(12)		60.8(32)	60.9(12)	
CD Ring Crush, lb	Max.	43.0	41.0	44.0	44.0		42.0	39.0		42.0	38.0	
	Min.	24.0	26.5	24.0	26.0		23.7	23.7		24.0	24.6	
	Ave.	32.2(23)	32.0(7)	31.8(23)	31.7(7)		31.4(23)	31.2(7)		31.4(23)	31.1(7)	

Max. and Min. values are current machine averages.
Ave. value is current F.M.B. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on 26-lb corrugating medium manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, Concora, and C.D. Ring Crush made on the production of individual machines which produced at least 500 tons of this grade weight during a given month.

PRESENTATION OF DATA

For the 26-lb grade weight of corrugating medium referred to earlier, data on conditioning and testing environments, mill test averages for moisture content, adjusted basis weight, caliper, Concora, and C.D. Ring Crush results are compiled in the following tables.

Table Number	Description
I-II-III-IV	Mill Test Averages on 26-Lb Corrugating Medium
V	Data on Conditioning and Testing Environments

The procedure used in calculating cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of 26-lb corrugating medium during the specified month, or (b) produced 500 tons of 26-lb corrugating medium during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE I
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM
OCTOBER, 1965

CODE -E	MOISTURE CONTENT, PERCENT		ADJ. BASIS WT. 0.0A LB. / P 56. FT.		CALIPER, PT.		CONCORA TEST LB.	
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA	
	CUR. AV.	FACT. IND. OC	CUR. AV.	FACT. IND. OC	CUR. AV.	FACT. IND. OC	CUR. AV.	FACT. IND. OC
A1	6.1	5.9 103.4	92.4	26.7 26.7 106.0	101.1		59.0	58.0 100.3 96.6
B1	6.0			26.1		7.9	76.0	
F1	7.3	7.7 54.0	110.6	26.0 26.0	106.0		59.0	60.2 98.0 96.6
J1	7.3	6.9 105.0	110.6	26.2 26.3	99.6 99.2	10.0	60.0	60.2 99.7 98.2
M1	7.0	7.4 94.0	106.1	26.1 26.3	99.2 99.9		61.0	61.2 99.7 99.8
R1	6.3	6.5 106.0	99.5	26.3 26.3	100.0 99.6	9.5	60.7	60.2 97.6 99.3
Q1	7.0	7.4 102.7	113.2	26.6 26.5	100.4 100.0	10.5	58.0	58.1 99.8 94.9
S1(R)	7.3			26.3			61.7	
U1	9.0	8.7 103.4	116.4	25.7 25.8	99.6 97.3	10.6	60.6	61.4 98.7 99.2
A2	6.9	6.0 101.0	105.5	26.2 26.3	99.6 99.2		62.0	61.7 100.5 101.5
F2(R)	7.1	7.2 98.0	107.0	26.2 26.2	100.0 99.2	10.0	62.3	62.5 99.7 102.0
M2	7.0	7.0 102.0	109.8	26.0 26.2	99.2 90.5		59.0	60.5 97.5 96.6
J2	9.7	9.5 102.1	147.0	25.2 25.2	100.0 95.4	9.0	63.0	64.0 97.7 103.6
J2(R)	5.5	5.3 103.0	03.3	26.4 26.7	98.9 100.0	7.0	59.9	59.5 100.7 98.0
M2(R)	5.0	5.0 100.0	07.9	26.0 26.0	100.0 101.5	10.5	60.9	60.9 100.0 99.7
J2(R)	7.0	7.0 100.0	106.1	26.3 26.4	99.6 99.6	9.1	69.0	69.4 99.4 112.9
M2	6.0	6.6 103.0	103.0	26.6 26.9	98.9 100.0	8.9	64.2	64.4 99.7 105.1
M2	6.0	6.2 96.0	90.9	26.4 26.2	100.0 100.0	10.1	59.0	59.2 99.7 96.6
M2(R)	5.2	4.7 100.0	70.0	27.0 27.4	98.5 102.3	9.0	56.1	53.6 104.7 91.8
V2	6.0	6.7 101.1	113.3	26.0 26.0	100.0 98.5	8.0	61.0	61.4 99.3 99.0
C3	7.7	7.2 103.4	110.6	26.2 26.2	100.0 99.2	8.6	59.0	61.5 95.9 96.6
Q3(R)	5.0	5.0 100.0	07.9	26.7 26.6	100.4 101.1	10.5	60.7	61.0 98.5 99.3
E3(R)	6.0	6.1 103.6	93.9	26.6 26.6	100.0 100.0	9.0	61.0	62.3 97.9 99.8
V3	6.9	6.7 103.6	106.5	26.5 26.5	100.0 100.4	8.9	61.0	62.0 98.4 99.8
U3(R)	6.4	4.2 104.0	06.7	27.0 27.0	100.0 102.3	9.1	59.0	59.1 99.0 96.6
U3(R)	6.0	6.0 100.0	90.9	26.9 26.6	101.1 101.9	9.0	55.0	53.0 105.3 91.3
V3	6.3	6.4 98.4	95.4	26.1 26.2	99.6 98.9	8.9	63.0	62.0 97.0 106.4
J4	7.5	7.4 103.4	113.6	26.4 26.5	99.6 100.0	10.1	58.0	57.5 100.9 94.9
M4(R)	5.0	5.0 100.0	07.9	26.3 26.3	100.0 99.6	9.5	63.3	63.3 100.0 103.6
L4	5.0	5.9 91.0	01.0	26.4 26.0	101.5 100.0	9.4	60.1	61.6 97.9 98.4
R4	6.5	6.6 98.5	98.5	26.2 26.2	100.0 99.2	9.1	61.0	61.0 96.8 99.8
Q4	7.2	7.1 101.4	109.1	26.3 26.3	100.0 99.6	10.7	59.0	58.0 100.0 97.9
Q4(R)	4.5	4.0 93.0	68.2	26.9 26.9	100.0 101.9	9.4	59.8	59.0 101.4 97.9
S4(R)	6.1	6.0 101.7	92.4	26.1 25.9	100.8 98.9	9.0	57.0	56.5 100.9 93.3
T4	7.1	6.9 102.9	107.6	26.3 26.3	100.0 99.6	8.7	68.0	60.2 99.7 111.3

FM85 DATA

CUR. AV	TOTAL		RECYCLED		TOTAL		RECYCLED	
	6.7	5.0	26.4	26.6	9.5	9.4	60.7	60.4
CUM. AV	6.6	5.0	26.4	26.6	9.6	9.4	61.1	60.2
IND. 00	101.5	100.0	100.0	100.0	99.0	100.0	99.3	100.3

(C)--- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE II
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM
NOVEMBER, 1985

CODE -E	MOISTURE CONTENT, PERCENT		ADJ. BASIS WT.-% LB./ M SQ. FT.		CALIPER, PT.		CONCORA TEST LB.	
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA	
	CUR. AV.	CUM. AV.	IND. -C	FACT. -B	CUR. AV.	CUM. AV.	IND. -C	FACT. -B
A1	6-3	6-0	105-0	95-4	26-5	26-7	99-2	100-4
B1	6-8	6-0	110-6	100-0	26-1	26-1	7-9	70-0
F1	7-3	7-6	96-0	110-6	26-0	26-0	100-0	98-5
J1	7-1	7-0	101-4	107-6	26-7	26-3	101-5	101-1
K1	7-2	7-3	98-6	109-1	26-7	26-3	101-5	101-1
L1	6-3	6-5	96-5	95-4	26-3	26-4	99-6	99-6
O1	7-5	7-5	100-0	113-6	26-4	26-5	99-6	100-6
S1(R)	7-2	7-2	102-3	136-4	25-8	25-8	100-0	97-7
U1	5-0	6-8	102-3	136-4	25-8	25-8	100-0	97-7
A2	7-6	6-8	102-9	106-1	26-1	26-3	99-2	98-9
E2(R)	7-0	7-2	97-2	106-1	26-2	26-2	100-0	99-2
H2	7-1	7-0	101-4	107-6	25-9	26-2	98-0	98-1
I2	9-5	9-6	99-0	143-9	25-3	25-2	100-4	95-8
J2(R)	5-5	5-3	103-2	83-3	26-3	26-6	98-9	99-6
K2(R)	5-8	5-8	100-0	87-9	26-7	26-7	100-0	101-1
L2(R)	6-9	7-0	98-6	104-5	26-3	26-4	99-6	99-6
M2	6-6	6-6	100-0	100-0	26-9	26-9	100-0	101-9
R2	6-1	6-2	98-4	92-4	26-2	26-2	100-0	99-2
U2(R)	5-2	4-7	110-8	78-8	27-2	27-3	99-6	103-0
Y2	8-2	8-7	101-1	113-3	25-9	26-0	99-6	98-1
C3	6-9	7-2	95-2	104-5	26-3	26-2	100-4	99-6
D3(R)	5-8	5-8	100-0	87-9	26-7	26-6	100-4	101-1
E3(R)	6-2	6-1	101-6	93-9	26-6	26-6	100-0	100-8
F3	6-8	6-7	101-5	103-0	26-5	26-5	100-0	100-4
U3(R)	4-1	4-2	102-4	65-2	27-0	27-0	100-0	102-3
W3(R)	6-0	6-0	100-0	90-9	26-9	26-6	101-1	101-9
V3	6-4	6-4	100-0	113-6	26-4	26-5	99-6	100-6
J4	7-5	7-5	100-0	113-6	26-4	26-5	99-6	100-6
K4(R)	5-8	5-8	100-0	87-9	26-3	26-3	100-0	99-6
L4	5-8	5-8	100-0	87-9	26-3	26-0	101-2	99-6
M4	6-5	6-6	98-5	92-5	26-2	26-2	100-0	99-2
Q4	7-5	7-1	105-6	113-6	26-3	26-3	100-0	99-6
Q4(R)	4-4	4-2	91-7	66-7	27-0	26-9	100-4	102-3
S4(R)	6-1	6-0	101-7	92-4	26-0	25-5	100-4	98-5
T4	7-0	7-0	100-0	106-1	26-3	26-3	100-0	99-6
FABG DATA								
TOTAL			RECYCLED			TOTAL		
CUR. AV			6-6			26-4		
CUM. AV			6-6			26-4		
IND. -D			100-0			100-0		

TOTAL			RECYCLED			TOTAL		
CUR. AV			6-6			26-4		
CUM. AV			6-6			26-4		
IND. -D			100-0			100-0		

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE III
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM
DECEMBER, 1985

CODE	MOISTURE CONTENT, PERCENT		ADJ. BASIS WT.%, LB./M ² 56. FT.		CALIPER, PT.		CONCORA TEST LB.	
	MACHINE DATA		MACHINE DATA		MACHINE DATA		MACHINE DATA	
	CUR. AV.	CUM. FACT. IND. SC	CUR. AV.	CUM. FACT. IND. SC	CUR. AV.	CUM. FACT. IND. SC	CUR. AV.	CUM. FACT. IND. SC
A1	6.1	6.0	101.0	92.0	26.5	26.7	99.2	100.4
B1	6.0	6.0	94.7	109.1	26.1	26.1	7.9	70.0
F1	7.2	7.6	94.7	109.1	26.0	26.0	100.0	90.5
J1	7.4	7.0	105.7	112.1	26.3	26.4	99.6	99.6
M1	7.1	7.4	95.9	107.6	26.3	26.3	100.0	99.6
U1	5.9	6.5	90.0	89.4	26.3	26.4	99.6	99.6
Q1	7.4	7.5	90.7	112.1	26.5	26.5	100.0	100.4
S1(R)	7.2	7.0	94.7	109.1	26.3	26.3	99.2	99.2
U1	4.3	4.0	54.3	125.0	25.9	25.0	100.4	90.1
A2	7.0	6.0	105.9	106.1	26.1	26.1	99.2	90.9
A2	7.0	7.2	97.2	106.1	26.1	26.2	99.6	90.9
H2	7.1	7.0	101.4	107.6	26.1	26.2	99.6	90.9
I2	9.7	9.6	101.0	107.6	25.3	25.2	100.4	95.0
J2(R)	5.4	5.3	101.9	01.0	26.4	26.6	99.2	100.0
M2(R)	5.0	5.0	105.6	07.0	26.7	26.7	100.0	101.1
U2(R)	6.0	7.0	97.1	103.0	26.3	26.4	99.6	99.6
H2	6.6	6.6	100.0	100.0	26.9	26.9	100.0	101.9
M2	5.0	6.2	93.5	07.0	26.3	26.2	100.0	99.6
U2(R)	5.2	4.0	100.7	76.0	27.0	27.3	99.9	102.3
V2	4.0	4.0	101.1	133.3	26.0	26.0	100.0	99.6
U3	6.6	7.2	91.0	100.0	26.2	26.2	100.0	99.2
U3(R)	5.0	5.0	100.0	07.0	26.7	26.6	100.4	101.1
F3(R)	6.3	6.1	103.2	95.4	26.5	26.6	99.6	100.4
V3	6.0	6.0	100.0	100.0	26.5	26.5	100.0	100.4
U3(R)	4.4	4.2	104.0	05.7	27.0	27.0	100.0	102.3
U3(R)	6.6	6.0	100.0	90.9	26.9	26.7	100.7	101.9
V3	6.4	6.4	100.0	100.0	26.2	26.2	100.0	99.6
J4	7.5	7.5	100.0	113.6	26.4	26.5	99.6	100.6
M4(R)	5.5	5.0	101.7	09.4	26.2	26.3	99.6	99.2
L4	6.2	5.0	100.9	93.9	26.1	26.1	100.0	99.6
M4	6.0	6.0	100.0	100.0	26.2	26.2	100.0	99.2
Q4	7.4	7.2	102.0	100.1	26.5	26.3	100.4	100.4
Q4(R)	4.6	4.0	95.0	08.7	26.9	26.0	100.4	101.9
S4(R)	6.5	6.0	100.7	98.5	26.1	25.9	100.0	99.9
V4	6.9	7.0	90.6	104.5	26.5	26.3	100.0	100.4

FMSG DATA		TOTAL		RECYCLED		TOTAL		RECYCLED		TOTAL		RECYCLED	
CUR. AV	6.6	5.0	26.4	26.6	9.5	9.3	60.8	60.9	60.9	60.9	60.9	60.9	60.9
CUM. AV	6.6	5.0	26.4	26.6	9.5	9.4	61.0	60.3	60.3	60.3	60.3	60.3	60.3
IND. AD	100.0	100.0	100.0	100.0	100.0	98.9	99.7	101.0	101.0	101.0	101.0	101.0	101.0

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE IV
AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB. CORRUGATING MEDIUM
RING COMPRESSION, LOS.


	OCTOBER, 1985				NOVEMBER, 1985				DECEMBER, 1985			
	MACHINE DATA				MACHINE DATA				MACHINE DATA			
	CUR. AV.	CUM. AV.	FACT. -B	IND. -C	CUR. AV.	CUM. AV.	FACT. -B	IND. -C	CUR. AV.	CUM. AV.	FACT. -B	IND. -C
A1	31.0	32.5	95.4	97.2	29.0	32.4	89.5	90.9	37.0	32.0	115.6	116.4
B1												
F1	31.0	28.3	106.6	94.0	29.0	28.3	102.5	90.9	28.0	28.3	98.9	98.0
J1	29.0	30.7	94.5	90.9	28.0	30.2	92.7	87.8	29.0	29.8	97.3	91.2
K1	31.0	30.0	103.3	97.2	30.0	30.2	99.3	95.6	29.0	30.2	96.0	91.2
L1												
O1	25.0	30.0	96.7	90.9	29.0	29.9	97.0	90.9	30.0	29.8	108.7	94.3
S1(R)												
U1	34.6	35.9	96.4	100.5	36.2	35.6	101.7	113.5	30.9	35.6	86.8	97.2
A2	26.0	30.2	86.1	81.5	25.0	29.8	83.9	76.4	27.0	29.5	91.5	84.9
E2(R)	28.0	29.6	94.6	87.8	30.0	29.6	101.4	96.8	30.0	29.8	100.7	94.3
H2	24.0	24.6	97.6	75.2	25.0	24.5	102.6	78.4	25.0	24.5	98.0	75.5
I2	28.1	29.1	96.6	88.1	29.3	28.7	102.1	91.8	28.7	28.5	100.7	90.2
J2(R)	29.0	29.4	92.6	90.9	28.8	29.4	98.8	90.3	29.2	29.3	99.6	91.8
K2(R)												
L2(R)												
M2	32.0	29.8	107.4	100.3	32.0	30.2	106.6	100.3	31.0	30.4	102.6	97.5
R2		31.1				31.1				30.8		
U2(R)		25.8				25.8				25.8		
V2	42.0	36.9	106.0	131.7	41.0	39.3	104.3	128.5	42.0	39.8	105.5	132.1
C3	41.0	41.1	99.8	128.5	42.0	41.1	102.2	131.7	41.0	41.4	99.0	128.9
D3(R)												
E3(R)	37.0	32.4	96.4	116.0	39.0	32.2	102.1	123.2	37.0	38.2	96.8	116.4
F3	32.0	34.1	93.4	100.3	31.0	33.8	91.7	97.2	31.0	33.5	92.5	97.5
U3(R)	26.1	25.5	100.8	81.8	23.7	25.8	91.9	74.3	26.9	25.5	97.6	78.3
H3(R)		25.4				25.4				25.4		
V3												
J4	27.0	28.0	96.4	84.6	28.0	27.9	100.4	87.8	28.0	28.0	100.0	88.0
K4(R)	32.0	31.0	101.2	100.3	33.3	31.3	106.4	104.4	34.0	31.6	107.6	106.9
L4	33.0	33.4	101.2	106.0	31.4	33.4	94.0	98.4	30.1	33.4	90.1	94.6
M4		32.6				32.7				32.6		
O4	39.7	38.0	104.5	124.4	39.4	38.5	102.3	123.5	38.7	38.8	99.7	121.7
Q4(R)	26.0	25.6	101.6	81.5	24.4	25.7	94.9	76.5	24.6	25.5	96.5	77.4
S4(R)	44.0	41.2	106.8	137.9	39.0	41.4	94.2	122.2	38.0	41.2	92.2	119.5
T4												
FM86 DATA												
	TOTAL		RECYCLED		TOTAL		RECYCLED		TOTAL		RECYCLED	
CUR. AV	31.8		31.7		31.4		31.2		31.6		31.1	
CUM. AV	31.9		31.0		31.9		31.0		31.8		31.1	
IND. -B	99.7		102.2		98.4		100.6		98.7		100.0	

(*)-- NOTES A, B, C, D, AND E, ARE GIVEN IN APPENDIX.

TABLE V
DATA ON CONDITIONING AND TESTING ENVIRONMENTS
OCTOBER, NOVEMBER, DECEMBER, 1965

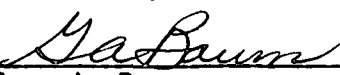
Code	Conditioning Environment				Testing Environment
	Are Quality Samples Conditioned Before Testing?	Procedure			Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
		Time	Temp., °F	RH, %	
A1	No	--	--		Yes: 70 ± 5°F; 55 ± 5% RH
B1	No data was submitted for this period				
F1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J1	No	--	--	--	No
K1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
L1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
O1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
S1	No data was submitted for this period				
U1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
A2	No	--	--	--	Yes: 70 ± 5°F; 55 ± 5% RH
E2	Yes	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
H2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
I2	No	--	--		Yes: 72 ± 2°F; 50 ± 2% RH
J2	No	--	--	--	Yes: 75 ± 2°F; 50 ± 5% RH
K2	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
L2	No	--	--	--	Yes: 72 ± 1°F; 50 ± 1% RH
M2	No	--	--	--	No
R2	No	--	--	--	No
U2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Y2	No	--	--	--	Yes: 70 ± 2°F; 50 ± 10% RH
C3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
D3	No	--	--	--	Yes: 72 ± 4°F; 50 ± 5% RH
E3	No	--	--	--	No
T3	No	--	--	--	No
U3	No	--	--	--	No
W3	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Y3	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
K4	No	--	--	--	Yes: 72 ± 2°F; 50 ± 3% RH
L4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
M4	No	--	--	--	Yes: 73°F; 50% RH
O4	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
Q4	No	--	--	--	No
S4	Yes	15 min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
T4	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH

THE INSTITUTE OF PAPER CHEMISTRY



Roger H. Van Eperen
Research Associate
Paper Materials Division

Approved by



Gary A. Baum
Director
Paper Materials Division

APPENDIX

NOTES A, B, C, D, AND E, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, D, and E, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of corrugating medium.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)} \right]$$

Note B: Machine factor (%) = $\left[\frac{\text{Current machine average}}{\text{Cumulative machine average}} \right] \cdot 100$ where

$$\text{Cumulative machine average} = \frac{\text{CMA's}^a \text{ for previous 12 months excluding CMA for current month}}{12}$$

Note C: Machine index (%) = $\left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. total average}} \right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \frac{\text{CFKBGA's}^b \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) = $\left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}} \right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \frac{\text{CMA's}^a \text{ for current month for all machines}}{\text{Number of machines}}$$

Note E: (R) - Indicates a medium manufactured from recycled fibers.

^aCMA = current machine average for a specific physical property of 26-lb corrugating medium obtained during a given month on a specific machine.

^bCFKBGA = current F.K.B.G. average for a specific physical property of 26-lb corrugating medium obtained during a given month.

IPST HASELTON LIBRARY



5 0602 01060802 6

INST. OF PAPER CHEMISTRY,
APPLETON, WISCONSIN

Continuous Base-Line Study
(Modified) (Mill Corrugating
Medium Data for Oct., Nov.,
Dec., 1985)

INST. OF PAPER CHEMISTRY,
APPLETON, WISCONSIN

Continuous Base-Line Study
(Modified) (Mill Corrugating
Medium Data for October,
November, December, 1985).

**GEORGIA-PACIFIC
CORPORATION
ATLANTA, GEORGIA**